



## DDGT240 DIGITAL DESIGN GRAPHICS TECHNOLOGY 3 - FALL 2024

### Lecture and Assignment Schedule

[www.ddgt.net](http://www.ddgt.net)

[gstrommen@napavalley.edu](mailto:gstrommen@napavalley.edu)

WEEK	DAY	LECTURE	ASSIGNMENT
1	8/26	<ul style="list-style-type: none"> <li>- Introduction to DDGT 240 Course</li> <li>- Overview of Syllabi and Schedule</li> <li>- Kitchen Safety</li> <li>- A.S. Certificate and Certificate of Achievement Requirements / Curriculum Training / Online Catalog</li> <li>- <b>Petition to Graduate This Semester by OCTOBER</b></li> <li>- Canvas / Microsoft Products Access</li> <li>- Phone App</li> <li>- Dropbox Submission Setup</li> <li>- Software Installation: 3ds Max and Adobe Premiere</li> <li>- Windows File Management (Machine Vise - Project Based, not Software Based)</li> <li>- Submit Reading Handouts</li> <li>- Assignment Descriptions</li> <li>- AutoCAD and Inventor Template Updates</li> </ul>	<ul style="list-style-type: none"> <li>#1 - Signed Syllabus <b>DUE 8/26</b></li> <li>#2 - Signed Kitchen Safety <b>DUE 8/26</b></li> <li>Bring in a 2" Binder</li> <li><b>START ON THE FOLLOWING ASSIGNMENTS - VISUAL CHECKOFFS.</b></li> <li>#3 - XREF Terminal Board WD V1 <b>DUE 9/5</b></li> <li>#4 - AutoCAD 16-213 Stand (Online) XREF WD <b>DUE 9/5</b> ANSI B, SCALE 1:2</li> <li>#5 - Inventor 16-217 Stand (Online) WD <b>DUE 9/5</b></li> <li>#6 - Inventor 16-218 Cutoff Stop (Online) WD <b>DUE 9/5</b></li> <li>#7 - Inventor 16-221 Spacer (Online) WD <b>DUE 9/5</b></li> </ul>
	8/27	Reverse Engineering: Journal Bearing Assignment Description <u>OR</u> V-Block Assignment Description	#72 - AutoCAD Reverse Engineering - Part I Working Drawing with 3D <b>DUE 11/21</b>

			#76 - AutoCAD Reverse Engineering - Part II Working Drawing with 3D with revisions (see instructor)	<b>DUE 12/5</b>
8/28	Scales Review		#8 - Architectural Scale Handout #9 - Engineering Scale Handout #10 - Metric Scale Handout	<b>DUE 9/5</b> <b>DUE 9/5</b> <b>DUE 9/5</b>
8/29	Revision Table Requirements Review: AutoCAD Revision Tools Review: Inventor Revision Tools Review: Inventor Content Center - Structural Elements Demo		#11 - Inventor 18-43 Slide Bracket (Online) WD #12 - Inventor 18-44 Caster Frame (Online) WD	<b>DUE 9/12</b> <b>DUE 9/12</b>
2	9/2	<b>HOLIDAY - LABOR DAY</b>		
9/3	Orange Thread Modeler 14-71 Machine Vise Inventor Assignment Description Machine Vise Thread Driven Rotation/Translational Constraint		<b>CLASS PARTICIPATION - SEPTEMBER MEETING</b> <b>DUE END OF SEPTEMBER</b>  #38 - Inventor 14-71 Machine Vise WD - Part I <b>(HARD DEADLINE)</b>  #51 - Inventor 14-71 Machine Vise WD Revisions - Part II	<b>DUE 9/30</b>   <b>DUE 10/10</b>  <b>DUE 10/17</b>
9/4	Networking Tools Lecture			
9/5	Networking Tools Lecture		<b>CANVAS QUIZ 1 - Networking Tools</b> <b>DUE BEFORE CLASS</b>	<b>DUE 9/12</b>
3	9/9	3ds Max Design Ascent Courseware Chapter 1	#14 - XREF Terminal Board WD V2 #15 - 3ds Max Exercises 1A #16 - 3ds Max Exercises 1B	<b>DUE 9/19</b> <b>DUE 10/3</b> <b>DUE 10/3</b>
9/10	3ds Max Design Ascent Courseware Chapter 2		#17 - 3ds Max Exercises 2A #18 - 3ds Max Exercises 2B #19 - 3ds Max Exercises 2C	<b>DUE 10/3</b> <b>DUE 10/3</b> <b>DUE 10/3</b>

			#20 - 3ds Max Exercises 2D	<b>DUE 10/3</b>
9/11	3ds Max Design Ascent Courseware Chapter 3		#21 - 3ds Max Exercises 3A	<b>DUE 10/3</b>
			#22 - 3ds Max Exercises 3B	<b>DUE 10/3</b>
			#23 - 3ds Max Exercises 3C	<b>DUE 10/3</b>
			#24 - 3ds Max Exercises 3D	<b>DUE 10/3</b>
9/12	LAB DAY			
4	9/16 3ds Max Design Ascent Courseware Chapter 4		#26 - 3ds Max Exercises 4A	<b>DUE 10/10</b>
			#27 - 3ds Max Exercises 4B	<b>DUE 10/10</b>
			#28 - 3ds Max Exercises 4C	<b>DUE 10/10</b>
			#29 - 3ds Max Exercises 4D	<b>DUE 10/10</b>
			#30 - 3ds Max Exercises 4E	<b>DUE 10/10</b>
			#31 - 3ds Max Exercises 4F	<b>DUE 10/10</b>
9/17	3ds Max Design Ascent Courseware Chapter 5		#32 - 3ds Max Exercises 5A	<b>DUE 10/10</b>
			#33 - 3ds Max Exercises 5B	<b>DUE 10/10</b>
			#34 - 3ds Max Exercises 5C	<b>DUE 10/10</b>
			#35 - 3ds Max Exercises 5D	<b>DUE 10/10</b>
			#36 - 3ds Max Exercises 5E	<b>DUE 10/10</b>
			#37 - 3ds Max Exercises 5F	<b>DUE 10/10</b>
9/18	3ds Max Design Ascent Courseware Chapter 6		#39 - 3ds Max Exercises 6A	<b>DUE 10/10</b>
			#40 - 3ds Max Exercises 6B	<b>DUE 10/10</b>
			#41 - 3ds Max Exercises 6C	<b>DUE 10/10</b>
			#42 - 3ds Max Exercises 6D	<b>DUE 10/10</b>
			#43 - 3ds Max Exercises 6E	<b>DUE 10/10</b>
			#44 - 3ds Max Exercises 6F	<b>DUE 10/10</b>
9/19	LAB DAY			
5	9/23 3ds Max Design Ascent Courseware Chapter 7		#45 - 3ds Max Exercises 7A	<b>DUE 10/17</b>
			#46 - 3ds Max Exercises 7B	<b>DUE 10/17</b>
			#47 - 3ds Max Exercises 7C	<b>DUE 10/17</b>

			#48 - 3ds Max Exercises 7D	<b>DUE 10/17</b>
9/24	3ds Max Design Ascent Courseware Chapter 8		#49 - 3ds Max Exercises 8A #50 - 3ds Max Exercises 8B	<b>DUE 10/17</b> <b>DUE 10/17</b>
9/25	3ds Max Design Ascent Courseware Chapter 9		#52 - Max Exercises 9A #53 - Max Exercises 9B #54 - Max Exercises 9C	<b>DUE 10/17</b> <b>DUE 10/17</b>
9/26	Lab Day			
6	9/30 3ds Max Design Ascent Courseware Chapter 10		#55 - 3ds Max Exercises 10A #56 - 3ds Max Exercises 10B #57 - 3ds Max Exercises 10C #58 - 3ds Max Exercises 10D #59 - 3ds Max Exercises 10E	<b>DUE 10/24</b> <b>DUE 10/24</b> <b>DUE 10/24</b> <b>DUE 10/24</b> <b>DUE 10/24</b>
10/1	3ds Max Design Ascent Courseware Chapter 11		#60 - 3ds Max Exercises 11A #61 - 3ds Max Exercises 11B #62 - 3ds Max Exercises 11C #63 - 3ds Max Exercises 11D	<b>DUE 10/24</b> <b>DUE 10/24</b> <b>DUE 10/24</b> <b>DUE 10/24</b>
			<b>CLASS PARTICIPATION - OCTOBER MEETING</b> <b>DUE END OF OCTOBER</b>	<b>DUE 10/31</b>
10/2	Vimeo Account Setup			
10/3	LAB DAY		#64 - Inventor 20.69 - Engine Model (Online) With CoolOrange Threads - WORKING DRAWING	<b>DUE 11/7</b>
7	10/7 Premiere Theory I			
	10/8 Premiere Theory II			

	10/9	Premiere Application: Project Management (Windows), Software Interface Importing Media, Bin Organization, Timeline, Multiple Video and Audio Tracks		
	10/10	Premiere Application: Transitions, Titles, Keyframe Animation, Audio Tracks and Keyframing, and Rendering	#65 - Gunsmoke Video: Include: Opening Titles, Logo, Video, Sound Effects, Closing Credits with Contact Info	<b>DUE 11/7</b>
8	10/14	Watch and follow: "Machine Vise Part I - Assembly" (8:02:40) and "Machine Vise Part II - Exploded Assembly" (7:14:53) Videos on department website.	#67 - 3ds Max 14-71 Presentational Video Video to include Opening Titles, Logo, Video, Audio, Closing Credits with Contact Info. Post on your website on a separate page dedicated to the project. Include on website: video, images, text description, and pdf drawing sheet set.	<b>DUE 11/21</b>
	10/15	Work on Machine Vise animation		
	10/16	Work on Machine Vise animation		
	10/17	Work on Machine Vise animation		
9	10/21	Work on Machine Vise animation		
	10/22	Work on Machine Vise animation		
	10/23	Work on Machine Vise animation		
	10/24	Work on Machine Vise animation		
10	10/28	3ds Max Engine Model Demonstration: Linking, Rigging, and Bones (Video available online: "DDGT240 2016.11.22 Engine Rigging in 3ds Max" or "DDGT240 2015.12.01 3ds Max Engine Block Rigging")	#80 - 20.69 - Engine Model (Online) Presentational Video Video to include Opening Titles, Logo, Video, Audio, Closing Credits with Contact Info. Post on your website on a separate page dedicated to the project. Include on website: video, images, text description, and pdf drawing sheet set.	<b>DUE 12/12</b>

	10/29	LAB DAY		
	10/30	Autodesk Certificate of Training		
	10/31	3ds Max Review	<b>CANVAS QUIZ 2 - ASCENT Courseware DUE BY MIDNIGHT</b>	<b>DUE 11/7</b>
			<b>CANVAS DISCUSSION 1 - TGC Read Chapter 18.1 - 18.7.7 + 18.11 - Geometric Dimensioning and Tolerancing (GDT) and handout.</b>	<b>DUE 11/7</b>
11	11/4	Engine Model Project Setup for 3D Printer	#73 - Engine Model for 3D Printer	<b>DUE 12/5</b>
			<b>CLASS PARTICIPATION - NOVEMBER MEETING DUE END OF NOVEMBER</b>	<b>DUE 11/27</b>
	11/5	Inventor Engine Model Setup for 3ds Max (Video available online)		
	11/6	Premiere Review	<b>CANVAS QUIZ 3 - Premiere DUE BEFORE CLASS</b>	<b>DUE 11/13</b>
	11/7	Review Chapter 18.1 - 18.7.7 + 18.11 - Geometric Dimensioning and Tolerancing (GDT) and handout.	<b>ADD GD&amp;T TO THE FOLLOWING ASSIGNMENTS:</b> #68 - AutoCAD 16-213 Stand (Online) XREF WD ANSI B, SCALE 1:2 #69 - Inventor 16-217 Stand (Online) WD #70 - Inventor 16-218 Cutoff Stop (Online) WD #71 - 16-221 Spacer (Online) WD	<b>DUE 11/21</b> <b>DUE 11/21</b> <b>DUE 11/21</b> <b>DUE 11/21</b>

CANVAS DISCUSSION 2 -

DUE 11/18

TGC Read Chapter 22 Mechanisms:

Gears, Cams, Bearings, and Linkages

Supplemental Handout 22-5 Indexing, 22-7

Ratchet Wheels

12	11/11	HOLIDAY - VETERANS DAY		
	11/12	Review GD&T		
	11/13	Review GD&T		
	11/14	Review GD&T GD&T Assignment Examples	<b>CANVAS QUIZ 4 - GD+T DUE BEFORE CLASS</b>	<b>DUE 11/21</b>
13	11/18	Review Chapter 22 Mechanisms: Gears, Cams, Bearings, and Linkages Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels		
	11/19	Review Chapter 22 Mechanisms: Gears, Cams, Bearings, and Linkages Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels (Continued)		
	11/20	Review Chapter 22 Mechanisms: Gears, Cams, Bearings, and Linkages Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels (Continued)		
	11/21	Review Chapter 22 Mechanisms: Gears, Cams, Bearings, and Linkages Supplemental Handout 22-5 Indexing, 22-7 Ratchet Wheels (Continued)	<b>CANVAS QUIZ 5 - TGC Chapter 22 Mechanisms DUE BEFORE CLASS</b>	<b>DUE 12/2</b>

14 11/25 LAB DAY

CANVAS DISCUSSION 3 -

DUE 12/2

SUPPLEMENTARY HANDOUT

Read 20-1 Belt Drives, 20-2 Chain Drives,  
20-8 Comparison of Chain, Gear, and Belt Drives,  
21-1 Couplings, 21-5 Lubricants and Radial Seals,  
and  
21-6 Static Seals and Sealants

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11/26 DDGT241 Final Project Description

11/27 LAB DAY

11/28 HOLIDAY - THANKSGIVING RECESS

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15 12/2 Review Supplementary Handouts 20-1 Belt Drives, 20-2 Chain Drives, 20-8 Comparison of Chain, Gear, and Belt Drives, 21-1 Couplings, 21-5 Lubricants and Radial Seals, and 21-6 Static Seals and Sealants

CANVAS DISCUSSION 4 -

DUE 12/9

TGC Read Chapter 25 - Welding Drawings

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12/3 Review Supplementary Handouts 20-1 Belt Drives, 20-2 Chain Drives, 20-8 Comparison of Chain, Gear, and Belt Drives, 21-1 Couplings, 21-5 Lubricants and Radial Seals, and 21-6 Static Seals and Sealants (Continued)

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12/4 Review Supplementary Handouts 20-1 Belt Drives, 20-2 Chain Drives, 20-8 Comparison of Chain, Gear, and Belt Drives, 21-1 Couplings, 21-5 Lubricants and Radial Seals, and 21-6 Static Seals and Sealants (Continued)

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12/5	Review Supplementary Handouts 20-1 Belt Drives, 20-2 Chain Drives, 20-8 Comparison of Chain, Gear, and Belt Drives, 21-1 Couplings, 21-5 Lubricants and Radial Seals, and 21-6 Static Seals and Sealants (Continued)	<b>CANVAS QUIZ 6 - Supplementary Handouts DUE BEFORE CLASS</b>	<b>DUE 12/12</b>
16	12/9 Review Chapter 25 - Welding Drawings		
12/10	Review Chapter 25 - Welding Drawings (Continued)	<b>ADD WELDING SYMBOLOGY TO THE FOLLOWING ASSIGNMENTS: #77 - 18-43 Slide Bracket Inventor WD #78 - 18-44 Caster Frame Inventor WD CANVAS QUIZ 7 - TGC Chapter 25 Welding DUE BY MIDNIGHT</b>	<b>DUE 12/12 DUE 12/12 DUE 12/12</b>
12/11	Review for Final	<b>FINAL DUE 12/12 - MIDNIGHT</b>	<b>DUE 12/12</b>
12/12	LAB DAY		

*The instructor reserves the right to change the schedule at anytime.*

*Revised 8/25/2024 GS v1.0*